SPECIFICATION OF PRODUCT

Lithium-ion rechargeable cell for power tools

Model name : INR21700- 4000mAh

December, 2017

Energy Business Division

| Spec. No. | Version No. | 0.0 |
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1.0. Scope

This product specification has been prepared to specify the rechargeable lithium-ion cell ('cell') to be supplied to Customer by Samsung SDI Co., Ltd.

2.0. Description and model

- 2.1 Description lithium-ion rechargeable cell
- 2.2 Model name INR21700- 4000mAh
- 2.3 Site Manufactured

| Item | Specification |
|---|--|
| 3.1 Standard discharge capacity | Min. 4,000mAh - Charge: 0.5C(2A), 4.20V, 0.05C(200mA) cut-off @ RT - Discharge: 0.2C(800mA), 2.5V cut-off @ RT |
| 3.2 Rated discharge capacity | Min. 3,900 mAh - Charge:1.5C(6A), 4.20V, 0.025C(100mA)cut-off @RT - Discharge: 10A, 2.5V cut-off @ RT |
| 3.3 Nominal voltage | 3.6V |
| 3.4 Standard charge | CCCV, 2A, 4.20 V, 200mA cut-off |
| 3.5 Rated charge | CCCV, 6A, 4.20 V, 100mA cut-off |
| 3.6 Charging time | Standard charge : 180min / 200mA cut-off(@ RT) Rated charge: 70min / 100mA cut-off(@ RT) |
| 3.7 Max. continuous discharge (Surface temperature) | 35A(Without temperature cut) 45A(With 80℃ temperature cut) |
| 3.8 Discharge cut-off voltage | 2.5V (End of discharge) |
| 3.9 Cycle life | Capacity \geq 2,400mAh @ after 250cycles (60% of the standard capacity @ RT) - Charge : 6A, 4.20V, CCCV 100mA cut-off @ RT - Discharge: 35A, 2.5V cut-off @ RT |
| 3.10 Retention characteristics | Capacity recovery(after the storage) ≥ 3,510 mAh (90% of the rated capacity @ RT) - Charge : 6A, 4.20V, CCCV 100mA cut-off @ RT - Storage : 30 days (@ 60°C) - Discharge : 10A , 2.5V cut-off @ RT |
| 3.11 Cell weight | 70.0g max |
| 3.12 Cell dimension | Height : Max 70.30mm Diameter : Max 21.22mm |

3.0. Nominal specifications (^{*1})

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| 3.13 Operating temperature (Ambient) | Charge : 0 to 45 ℃ Discharge: -20 to 60 ℃ | | |
|---|---|--|--|
| 3.14 Operating temperature(^{*2}) (Surface) | Charge : 0 to 50 ℃ (recommended recharge release < 45 ℃) Discharge: -20 to 80 ℃ (must re-discharge release < 60 ℃) | | |
| 3.15 Storage temperature(^{*3}) (Recovery 90% after storage) | 1 year 0~25℃ 3 months 0~45℃ 1 month 0~60℃ | | |

Note (*1): Protection function of the battery pack should be set within the specified charge, discharge and temperature range in the Cell Specification.

Note (*2): Discharge OTP(over temp. protection) should not be over 80 °C of the cell surface temperature. Protection set should be based on the location of the cell surface with the highest temp increase part of the battery pack.

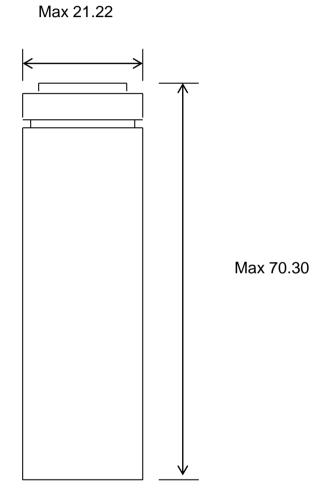
Note (*3): If the cell is kept as ex-factory status (30% of charge),

the capacity recovery rate is more than 90%.

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4.0 Outline dimensions

See the attachment (Fig. 1)



Unit : mm With tube

Fig.1. Outline dimensions of INR21700-40T

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5.0. Appearance

There shall be no such defects as scratch, rust, discoloration, leakage which may adversely affect commercial value of the cell.

6.0. Standard test conditions

6.1 Environmental conditions

Unless otherwise specified, all tests stated in this specification are conducted at temperature $\underline{23\pm3^{\circ}}$ and <u>humidity under 65%</u>.

6.2 Measuring equipment

(1) Amp-meter and volt-meter

The amp-meter and volt-meter should have an accuracy of the grade 0.5mA and mV or higher.

- (2) Slide caliper The slide caliper should have 0.01 mm scale.
- (3) Impedance meter

The impedance meter with AC 1kHz should be used.

7.0. Characteristics

7.1 Standard charge

This "Standard charge" means charging the cell CCCV with charge current 0.5C (2,000mA), constant voltage 4.2V and 200mA cut-off in CV mode at 23° C for capacity.

7.2 Rated charge

Rated charge means charging the cell CCCV with charge current 6A and 100mA cut-off at 23 $^\circ\!\!\!C$

7.3 Standard discharge capacity

The Standard discharge capacity is the initial discharge capacity of the cell, which is measured with discharge current of 800mA(0.2C) with 2.5V cut-off at 23°C within 1hour after the Standard charge.

Standard discharge capacity \geq 4,000mAh

Which complying to the minimum capacity of IEC61960 standard

7.4 Rated discharge capacity

The rated discharge is the discharge capacity of the cell, which is measured with discharge current of 10A with 2.5V cut-off at 23 $^\circ\!C$ within 1hour after the rated charge.

Rated discharge capacity \geq 3,900mAh

7.5 Initial internal impedance

Initial internal impedance measured at AC 1kHz after Rated charge

Initial internal impedance $\leq 12m\Omega$

7.6 Temperature dependence of discharge capacity Capacity comparison at each temperature, measured with discharge

constant current 10A and 2.5V cut-off after the rated charge is as follows.

| Discharge temperature | | | | | |
|---------------------------|-----|-----|------|-----|--|
| -20°C -10°C 0°C 23°C 60°C | | | | | |
| 60% | 75% | 80% | 100% | 95% | |

Note: If charge temperature and discharge temperature is not the same, the interval for temperature change is 3 hours. Percentage index of the discharge at 23°C at 10A (=3,900mAh) is 100%.

7.7 Temperature dependence of charge capacity

Capacity comparison at each temperature, measured with discharge constant current 10A and 2.5V cut-off after the rated charge is as follows.

| | Charge temperature | | | erature | Discharge temperature | | |
|-------------------|--------------------|-----|-------------|-------------|-----------------------|-------------|--|
| | 0°C | 5℃ | 23 ℃ | 45 ℃ | 50 ℃ | 23 ℃ | |
| Relative capacity | 80% | 90% | 100% | 95% | 95% | 230 | |

Note: If charge temperature and discharge temperature is not the same,

the interval for temperature change is 3 hours.

Percentage as an index of the rated discharge at 23 $^\circ\!\!\!C$ at 10A (=3,900mAh) is 100%.

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7.8 Charge rate capabilities

Discharge capacity is measured with constant current 10A and 2.5V cut-off after the cell is charged with 4.2V as follows.

| | Charge condition | | | |
|----------------------|------------------|----------|--|--|
| Current | Standard 2.0A | Rated 6A | | |
| Cut-off | 200mA | 100mA | | |
| Relative Capacity | 100% | 100% | | |

Note: Percentage index of the discharge at 23°C at 10A (=3,900mAh) is 100%.

7.9 Discharge rate capabilities

Discharge capacity is measured with the various currents in under table and 2.5V cut-off after the rated charge.

| | Discharge condition | | | | | |
|----------------------|---------------------|-----|-----|-----|--|--|
| Current | 10A 20A 30A 40A | | | | | |
| Relative Capacity | 100% | 95% | 93% | 90% | | |

Note: Percentage index of the discharge at 23° at 10A (=3,900mAh) is 100%.

7.10 Cycle life

With rated charge and maximum continuous discharge. Capacity after 250cycles,

- Charge : 6A, 4.2V, 100mA cutoff
- Discharge : 35A, 2.5V cut off

Capacity \geq 2,400mAh (60% of the standard capacity at 25 °C)

7.11 Retention characteristics

Capacity after storage for 30 days at 60 $^{\circ}$ C from the rated charge, Measured with discharge current 10A with 2.5V cut-off at 23 $^{\circ}$ C

Capacity recovery(after the storage) \geq 3,510 mAh (90% of the rated capacity at 23 °C)

7.12 Status of the cell as of ex-factory

The cell should be shipped in 3.340V to 3.490V charging voltage range.

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8.0. Mechanical Characteristics

8.1 Drop test

Test method: Fully rated charged Cells drop onto the concrete floor from 1.0m height at a random direction 3 times. The cells or batteries are dropped so as to obtain impacts in random orientations. After the test, the sample shall be put on rest for a minimum of one hour and then a visual inspection shall be performed.

Criteria: No fire, no explosion.

Drop test shall be performed with the IEC62133 standard

8.2 Vibration test

Test method: As to the UN transportation regulation(UN38.3), for each axis (X and Y axis with cylindrical cells) 7Hz→200Hz→7Hz for 15min, repetition 12 times totally 3hours, the acceleration 1g during 7 to 18Hz and 8g (amplitude 1.6mm) up to 200Hz.

Criteria: No leakage, with less than 10% of OCV drop Vibration test shall be performed with the UN38.3 standard

9.0. Safety

9.1 Overcharge test

Test method: Cell is to be discharged at a constant current of 0.8A to 2.5V. The cell is then to be charged with a 20V and 18A. Charging duration is to be 7 h.

Criteria: No fire, and no explosion. Overcharge test shall be performed with the UL1642 standard

9.2 External short-circuit test

Test method: Fully rated charged cell is to be short-circuited by connecting the positive and negative terminals of the battery with a circuit load having a resistance load of 80 \pm 20 m Ω . The battery is to discharge until a fire or explosion is obtained, or until it has reached a completely discharged state of less than 0.2 V and the battery case temperature has returned to \pm 10°C of ambient temperature. The return to near ambient of the battery (cell) casing in an indication of ultimate results. Tests are to be conducted at 20 \pm 5°C and at 55 \pm 5°C.

Criteria: No fire, and no explosion External short-circuit test shall be performed with the UL1642 standard

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9.3 Forced discharge test

Test method: A discharged cell is subjected to a reverse charge at 1.0C (4.0A) for 90 min.

Criteria: No fire, and no explosion.

Forced discharge test shall be performed with the IEC62133 standard

9.4 Heating test

Test method: To heat up the standard charged cell at heating rate 5° per minute up to 130° and keep the cell in oven for 30 min.

Criteria: No fire, and no explosion. Heating test shall be performed with the UL1642 standard(10 min) & GB31241 standard (30 min).

10.0. Warranty

Samsung SDI will be responsible for replacing the cell against defects or poor workmanship for 15months from the date of shipping. Any other problem caused by malfunction of the equipment or mix-use of the cell is not under this warranty.

The warranty set forth in proper using and handling conditions described above and excludes in the case of a defect which is not related to manufacturing of the cell.

11.0. Others

11.1 Storage for a long time

If the cell is kept for a long time (3 months or more), It is strongly recommended that the cell is preserved at dry and low-temperature.

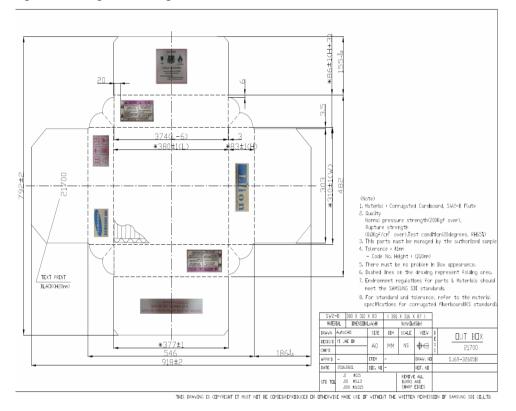
11.2 Others

Any matters that specifications do not have, should be conferred with between the both parties.

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12.0. Packing

See Fig.2, Package Drawing



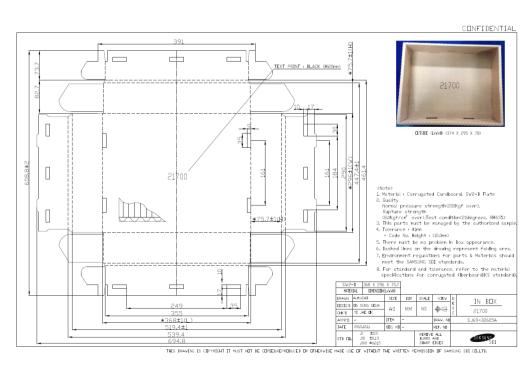


Fig. 2-2. Inner box package drawing.

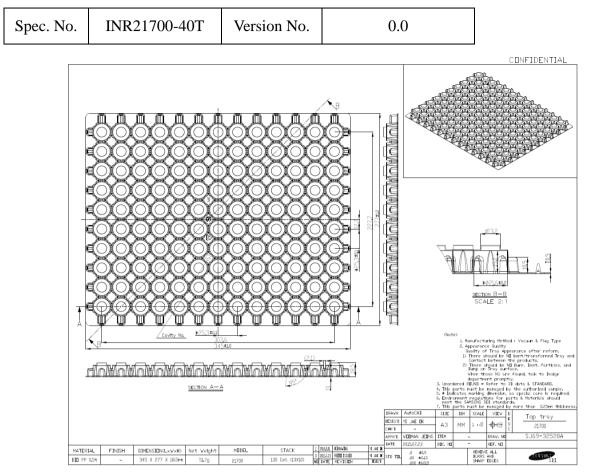


Fig. 2-3. Upper tray drawing.

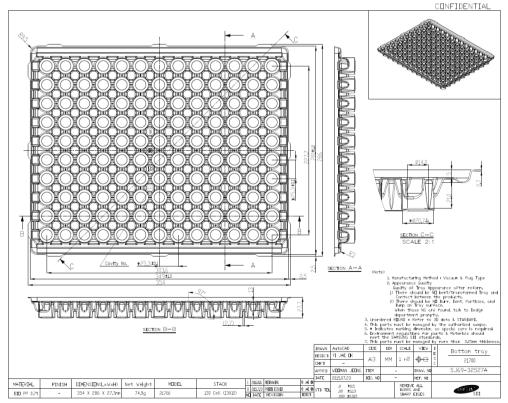


Fig. 2-4. Bottom tray drawing.

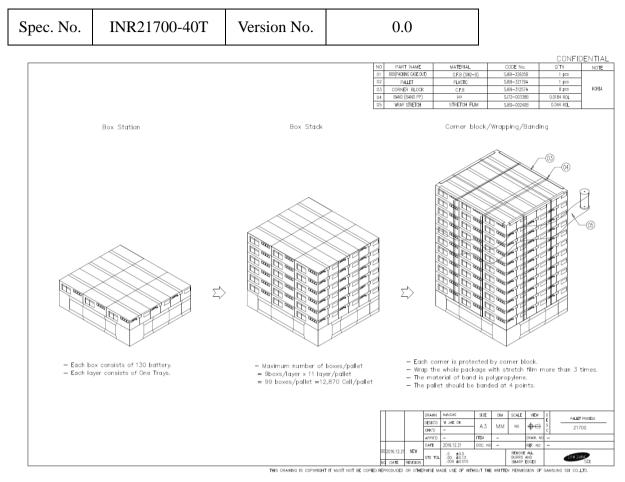


Fig. 2-5. Pallet packaging process

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Proper use and handling of lithium ion cells

See before using lithium-ion cell

This document has been prepared to describe the appropriate cautions and prohibitions, which the customer should take or employ when the customer uses and handles the lithium ion cell to be manufactured and supplied by Samsung SDI Co., Ltd., in order to obtain optimum performance and safety.

1. Charging

1.1 Charging current

Charging current should be less than maximum charge current specified in the product specification.

- 1.2 Charging voltage Charging should be done by voltage less than that specified in the product specification.
- 1.3 Charging time

Continuous charging under specified voltage does not cause any loss of performance characteristics. However, the charge timer is recommended to be installed from a safety consideration, which shuts off further charging at time specified in the product specification.

- 1.4 Charging temperature The cell should be charged within a range of specified temperatures in the specification.
- 1.5 Reverse charging

The cell should be connected, confirming that its poles are correctly aligned. Inverse charging should be strictly prohibited. If the cell is connected improperly, it may be damaged.

2. Discharging

- 2.1 Discharging
 - 2.1.1 The cell shall be discharged continuously at less than maximum discharge current specified in the product specification. In case of the higher discharge current should be set, it shall be discussed together with SDI.
- 2.2 Discharging temperature
 - 2.2.1 The cell should be discharged within a range of temperatures specified in the product specification.
 - 2.2.2 Otherwise, it may cause loss of characteristics.
 - 3.3.4 The charger should equip with a device to detect voltage of cell block and to determine recharging procedures.

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- 2.3 Over-discharging
 - 2.3.1 The system should be equipped with a device to prevent further discharging exceeding discharging cut-off voltage specified in the product specification.
 - 2.3.2 Over-discharging may cause loss of performance, characteristics of battery function.
 - 2.3.3 Over-discharging may occur by self-discharge if the battery is left for a very long time without any use.
 - 2.3.4 The charger should be equipped with a device to detect cell voltage and to determine recharging procedures.

3. Storage

- 3.1 Storage conditions
 - 3.1.1 The cell should be stored within a range of temperatures specified in the product specification.
 - 3.1.2 Otherwise, it may cause loss of performance characteristics, leakage and/or rust.
- 3.2 Long-term storage
 - 3.2.1 The cell should be used within a short period after charging because long-term storage may cause loss of capacity by self-discharging.
 - 3.2.2. If long-term storage is necessary, the cell should be stored at lower voltage within a range specified in the product specification, because storage with higher voltage may cause more loss of performance characteristics.
 - 3.2.3. Store the battery at $0 \sim 23^{\circ}$, low humidity (below 65%), no dust and no corrosive gas atmosphere.

4. Cycle life

- 4.1 Cycle life performance
 - 4.1.1 The cell can be charged/discharged repeatedly up to times specified in the produce specification with a certain level of capacity also specified in the product specification.
 - 4.1.2 Cycle life may be determined by conditions of charging, discharging, operating temperature and/or storage.

5. Battery Pack Assembly

- 5.1 Prohibition of usage of damaged cell
 - 5.1.1 The cell should be inspected visually before battery assembly.
 - 5.1.2 The cell should not be used if sleeve-damage, can-distortion and/or electrolyte-smell is detected.

- 5.2 Terminals handling
 - 5.2.1 Excessive force on the negative terminal should be avoided when external strip terminal is welled.
- 5.3 Transportation
 - 5.3.1 If the cell is necessary to be transported to such as the battery manufacturer, careful precautions should be taken to avoid damage of cell.

6. Others

- 6.1 Disassembly
 - 6.1.1 The cell should not be dismantled from the battery pack.
 - 6.1.2 Internal short-circuit caused by disassembly may lead to heat generation and/or venting.
 - 6.1.3 When the electrolyte is coming in contact with the skin or eyes, wash immediately with fresh water and seek medical advice.
- 6.2 Short-circuiting
 - 6.2.1 Short-circuit results in very high current which leads to heat generation.
 - 6.2.2 An appropriate circuitry should be employed to protect accidental short-circuiting.
- 6.3 Incineration
 - 6.3.1 Incinerating and disposing of the cell in fire are strictly prohibited, because it may cause rupture and explosion.
- 6.4 Immersion
 - 6.4.1 Soaking the cell in water is strictly prohibited, because it may cause corrosion and leakage of components to be damaged to functions.
- 6.5 Mixing use
 - 6.5.1 Different types of cell, or same types but different cell manufacturer's shall not be used, which may lead to cell imbalance, cell rupture or damage to system due to the different characteristics of cell.
 - 6.5.2 Do not mix use the cells from different batches/ranks even they are the same cell types from the same manufacturer.
- 6.6 Battery disposal
 - 6.6.1 Although the cell contains no environmentally hazardous component, such as lead or cadmium. the battery should be disposed according to the local regulations when it is disposed.
 - 6.6.2 The cell should be disposed with a discharged state to avoid heat generation by an inadvertent short-circuit.

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6.7 Caution

- 6.7.1 The Battery used in this device may present a risk of fire or chemical burn if mistreated.
- 6.7.2 Do not disassemble, expose to heat above 100° C or incinerate it.
- 6.7.3 Replace battery with Samsung SDI battery only.
- 6.7.4 Use of another battery may present a risk of fire or explosion.
- 6.7.5 Dispose of used battery promptly.
- 6.7.6 Keep away from children.
- 6.7.7 Do not disassemble and do not dispose of in fire.

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Pack Design Guideline for Lithium Ion Cells

If a customer's battery pack cannot meet Pack Design Guideline, SDI cannot take responsibility for a quality issue about a battery cell.

1. Electrical design

1.1 Charge

- 1.1.1 Stop charging the battery if charging isn't completed within the specified time.
- 1.1.2 The battery can be used within the following temperature ranges. Don't exceed these ranges. Charge temperature ranges : 0° ~ 50°
- 1.1.3 Charge current must be controlled by specified value in Cell specification.
- 1.1.4 Cut-off Voltage of charging must be 4.2V.
- 1.1.5 Charger must stop charging battery by detecting either charging time or current specified in Cell's specification.
- 1.1.6 Recharge Voltage must be at least 0.1V lower than Max charging Voltage.
- 1.1.7 Do not charge the battery under 1.0V voltage.
- 1.1.8 Voltage range of the battery for pre-charge mode is 1.0 \sim 3.0V with a charging current of 0.1 \sim 0.5C

1.2 Discharge

- 1.2.1 Discharge current must be controlled by specified value in Cell's specification.
- 1.2.2 Cut-off Voltage of discharging must be over 2.5V.
- 1.2.3 The battery can be used within the following temperature ranges.
 Don't exceed these ranges.
 Discharge temperature ranges : -20 °C ~ 80 °C

1.3 Storage

Store the battery at low temperature (below 60° C, 20° C is recommended), low humidity(below 65%), no dust and no corrosive gas atmosphere.

1.4 Design of positioning the battery pack in application and charger

To prevent the deterioration of the battery performance caused by heat, battery shall be positioned away from the area where heat is generated in the application and the charger.

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1.5 Safety Device

Be sure adopting proper safe device such as PTC specified type or model in Cell Specification. If you intend to adopt different safety device which is not specified in Cell Specification, please contact Samsung SDI to investigate any potential safety problem. Be sure designing 2nd protective devices such as PTC & PCM at the same time to protect Cell just in case one protective device is fault.

2. Design of System

2.1 Connection between the cell and the battery

- 2.1.1 The cell should not be soldered directly with other cells. Namely, the cell should be welded with leads on its terminal and then be soldered with wire or leads to solder.
- 2.1.2 Otherwise, it may cause damage of component, such as separator and insulator, by heat generation.

2.2 Positioning the battery in the System

- 2.2.1 The battery should be positioned as possible as far from heat sources and high temperature components.
- 2.2.2 Otherwise, it may cause loss of characteristics.
- 2.2.3 The recommended spacing between the cells is more than 1mm.

2.3 Mechanical shock protection of the battery

- 2.3.1 The battery should be equipped with appropriate shock absorbers in the pack in order to minimize shock, which can damage the cells. .
- 2.3.2 Otherwise, it may cause shape distortion, leakage, heat generation and/or rupture and/or open circuit.
- 2.3.3 Ultrasonic should not be used when manufacturing battery packs as it can damage the connection between component parts.

2.4 Short-circuit protection of the cell

- 2.4.1 The cell is equipped with an insulating sleeve to protect short-circuit which may occur during transportation, battery assembly and /or system operation.
- 2.4.2 If the cell sleeve is damaged by some causes such as outside impact, it may cause short-circuit with some wiring inside the battery.

2.5 Connection between the battery and charger/system

- 2.5.1 The battery should be designed to be connected only to the specified charger and system.
- 2.5.2 A reverse connection of the battery, even in the specified system, should be avoided by employing special battery design such as a special terminals.

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2.6 Pack design

- 2.6.1 The current consumption of the battery pack should be under 10uA after shut down.
- 2.6.2 Cell voltage monitoring system.

The system (charger or pack) should be equipped with a device to monitor each voltage of cell block to avoid cell imbalance which can cause damage to the cells.

2.6.3 The battery pack or system should have warning system such as over temperature, over voltage, over current, and so on.

2.6.4 Mechanical design

| Item | Portable IT | Power-Tool | Medical | E-Bike | E-Scooter | EV/LEV | ESS/UPS |
|---|-------------|------------|---------|--------|-----------|--------|---------|
| Need partitions(separator) between BMS and a Cell | O | O | O | O | O | O | O |
| Need to check if the pack is designed to be able to avoid thermal runaway (1KWh ↑) | | | | | O | 0 | Ø |
| Need to analyze the battery pack's thermal distribution and its effect on the pack's life cycle | | | | | O | Ø | Ø |
| Need to use a non-flammable (VO level) case | O | O | 0 | O | O | 0 | Ø |
| Need to apply improved material (Steel) to the case | | | | | | Ø | Ø |
| Need to analyze the battery pack's structure, system, installation status and use environment | | | | | | O | Ø |

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Handling precaution and prohibitions of lithium rechargeable cells and batteries

Inaccurate handling of lithium ion and lithium ion batteries rechargeable battery may cause leakage, heat, smoke, an explosion, or fire.

This could cause deterioration of performance or failure. Please be sure to follow instructions carefully.

1. Safety precaution and prohibitions

To assure product safety, describe the following precautions in the instruction manual of the application.

2. Danger

- 2.1 Electrical misusage
 - 2.1.1 Use dedicated charger.
 - 2.1.2 Use or charge the battery only in the dedicated application.
 - 2.1.3 Don't charge the battery by an electric outlet directly or a cigarette lighter charger.
 - 2.1.4 Don't charge the battery reversely.
- 2.2 Environmental misusage
 - 2.2.1 Don't leave the battery near the fire or a heated source.
 - 2.2.2 Don't throw the battery into the fire.
 - 2.2.3 Don't leave, charge or use the battery in a car or similar place where inside of temperature may be over 60° C.
 - 2.2.4 Don't immerse, throw, wet the battery in water / seawater.
- 2.3 Others
 - 2.3.1 Don't fold the battery cased with laminated film such as pouch and Polymer.
 - 2.3.2 Don't store the battery in a pocket or a bag together with metallic objects such as keys, necklaces, hairpins, coins, or screws.
 - 2.3.3 Don't short circuit (+) and (-) terminals with metallic object intentionally.
 - 2.3.4 Don't pierce the battery with a sharp object such as a needle, screw drivers.
 - 2.3.5 Don't heat partial area of the battery with heated objects such as soldering iron.
 - 2.3.6 Don't hit with heavy objects such as a hammer, weight.

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- 2.3.7 Don't step on the battery and throw or drop the battery on the hard floor to avoid mechanical hock.
- 2.3.8 Don't disassemble the battery or modify the battery design including electric circuit.
- 2.3.9 Don't solder on the battery directly.
- 2.3.10 Don't use seriously scared or deformed battery.
- 2.3.11 Don't put the battery into a microwave oven, dryer ,or high-pressure container.
- 2.3.12 Don't use or assemble the battery with other makers' batteries, different types and/or models of batteries such as dry batteries, nickel-metal hydride batteries, or nickel-cadmium batteries.
- 2.3.13 Don't use or assemble old and new batteries together.

3. Warning

- 3.1 Stop using the battery if the battery becomes abnormally hot, order, discoloration, deformation, or abnormal conditions is detected during use, charge, or storage.
- 3.2 Keep away from fire immediately when leakage or foul odors are detected. If liquid leaks onto your skin or cloths, wash well with fresh water immediately.
- 3.3 If liquid leaking from the battery gets into your eyes, don't rub your eyes and wash them with clean water and go to see a doctor immediately.
- 3.4 If the terminals of the battery become dirty, wipe with a dry cloth before using the battery.
- 3.5 Cover terminals with proper insulating tape before disposal.

4. Caution

4.1 Electrical misusage

Battery must be charge with constant current-constant voltage (CC/CV).

4.2 Others

- 4.2.1 Keep the battery away from babies and children to avoid any accidents such as swallow.
- 4.2.2 If younger children use the battery, their guardians should explain the proper handling method and precaution before using.
- 4.2.3 Before using the battery, be sure to read the user's manual and precaution of its handling.
- 4.2.4 Before using charger, be sure to read the user's manual of the charger.

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- 4.2.5 Before installing and removing the battery from application, be sure to read user's manual of the application.
- 4.2.6 Replace the battery when using time of battery becomes much shorter than usual.
- 4.2.7 Cover terminals with insulating tape before proper disposal.
- 4.2.8 If the battery is needed to be stored for an long period, battery should be removed from the application and stored in a place where humidity and temperature are low.
- 4.2.9 While the battery is charged, used and stored, keep it away from object materials with static electric chargers.

5. Safety Handling Procedure for the Transporter

5.1 Quarantine

Packages that are crushed, punctured or torn open to reveal contents should not be transported. Such packages should be isolated until the shipper has been consulted, provided instructions and, if appropriate, arranged to have the product inspected and repacked.

5.2 Spilled Product

In the event that damage to packaging results in the release of cells or batteries, the spilled products should be promptly collected and segregated and the shipper should be contacted for instructions.